

Title (en)  
METHOD AND SYSTEM FOR REMOTE ACCESS CONTROL

Title (de)  
VERFAHREN UND SYSTEM ZUR FERNZUGRIFFSSTEUERUNG

Title (fr)  
PROCÉDÉ ET SYSTÈME DE CONTRÔLE D'ACCÈS À DISTANCE

Publication  
**EP 3201049 A4 20180704 (EN)**

Application  
**EP 15845848 A 20150930**

Priority  
• US 201462058410 P 20141001  
• US 201562189648 P 20150707  
• US 201514869585 A 20150929  
• US 2015053341 W 20150930

Abstract (en)  
[origin: WO2016054276A1] A method to learn and then pair with a pre-installed access control system of a vehicle is discussed. Communication is exchanged between the access control system and a backend cloud-based system. Required data of the access control system including its particular authentication code is extracted by a learning device. A vehicle matching data is sent to the backend cloud-based system and the vehicle is registered with the backend cloud-based system. The learning device is registered to the access control system in accordance with learning procedures implemented in the vehicle as remote entry key. The learning device is coupled to a Radio Frequency signal transmitter that has Application-Specific Integrated Circuits to generate stable RF signals at multiple frequency wavelengths. Registration of learning device includes, receiving a first access control telegram message, transmitting the first access control telegram message to the access control system, pairing the learning device with the access control system.

IPC 8 full level  
**B60R 16/037** (2006.01); **B60R 25/20** (2013.01); **G07C 9/00** (2006.01); **H04W 4/44** (2018.01); **H04W 4/48** (2018.01); **H04W 76/10** (2018.01)

CPC (source: EP US)  
**B60R 25/2018** (2013.01 - US); **G07C 9/00182** (2013.01 - US); **G07C 9/00309** (2013.01 - EP US); **G07C 9/00571** (2013.01 - EP US); **G07C 9/20** (2020.01 - US); **H04W 4/44** (2018.01 - EP US); **H04W 4/48** (2018.01 - EP US); **H04W 12/06** (2013.01 - EP US); **H04W 12/08** (2013.01 - EP US); **H04W 12/50** (2021.01 - EP US); **H04W 76/10** (2018.01 - US); **A63F 2300/532** (2013.01 - US); **G06F 2221/2149** (2013.01 - US); **G07C 2009/00412** (2013.01 - EP US); **G07C 2009/00769** (2013.01 - EP US); **G07C 2009/00888** (2013.01 - EP US)

Citation (search report)  
• [I] US 2012254960 A1 20121004 - LORTZ VICTOR [US], et al  
• [X] US 2011112969 A1 20110512 - ZAID SAM [CA], et al  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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**WO 2016054276 A1 20160407**; CN 107074174 A 20170818; CN 107074174 B 20210312; EP 3201049 A1 20170809; EP 3201049 A4 20180704; US 2016098870 A1 20160407; US 2017053470 A1 20170223; US 9483886 B2 20161101; US 9852563 B2 20171226

DOCDB simple family (application)  
**US 2015053341 W 20150930**; CN 201580053538 A 20150930; EP 15845848 A 20150930; US 201514869585 A 20150929; US 201615289522 A 20161010